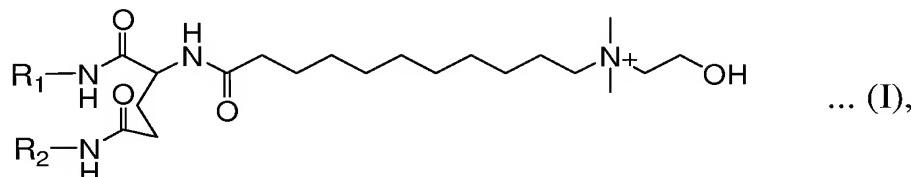


AMENDMENTS TO THE CLAIMS

Please cancel claims 1, 2 and 7 as set forth in the following listing of claims, which will replace all prior versions, and listings, of claims in the present application.

Listing of Claims**1-2. (Canceled)**

3. **(Previously Presented)** A molecular-oriented polymer gel obtained by self-assembly of a self-organizable amphiphilic compound and a monomer interacting with said amphiphilic compound, and then polymerizing said monomer, said amphiphilic compound being represented by the following general formula (I):



wherein R₁ and R₂ represent linear or branched alkyl groups having 20 or less carbon atoms, which may be the same or different.

4. **(Previously Presented)** The molecular-oriented polymer gel according to claim 3, wherein said monomer is thiophene and/or its derivative, pyrrole and/or its derivative, or 2-acrylamide-2-methylpropanesulfonic acid, or another anionic monomer than said thiophene derivative and said pyrrole derivative.

5. **(Original)** The molecular-oriented polymer gel according to claim 4, wherein said anionic monomer comprises a sulfonic group.

6. **(Original)** The molecular-oriented polymer gel according to claim 5, wherein said anionic monomer is 2-acrylamide-2-methylpropanesulfonic acid.

7-8. (Canceled)

9. **(Previously Presented)** The molecular-oriented polymer gel according to claim 4, wherein said thiophene derivative is at least one selected from the group consisting of 3-thiophencarboxylic acid, 3-thiophenacetic acid, 3-thiophene ethanol, 3,4-ethylenedioxythiophene and bis(thiophene), and wherein said pyrrole derivative is 3-pyrrolecarboxylic acid or 3-pyrroleacetic acid.

10-22. **(Canceled)**